

Purchase Order Receipt Listing

Wednesday, July 26, 2017 11:29:21 AM

All Vendors PO ID PO37091 All Receipt Dates All Line Item Types
 All Item ID/GL/WOs All Rec. Employees All Currencies
 Grouped by Vendor ID

All amounts are calculated in domestic currency.

Page 1 of 1

Purchase Order ID/Curr Type	Line Nbr/Insp Req	Project ID	Reference/Description/Cert Std	PO U/M/Stock U/M	Required Date Required Qty	Recv Date/Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/Recv Value	Inspected Qty/Rejected Qty (PO U/M)	MRB Qty/MRB Reject Qty	Book Amt
PO37091	1	VC-COP001	Thyssenkrupp Materials CA Ltd	303R0.500 497 f DAS	7/25/2017 7/26/2017	72.0000 PLOU01		\$1.77	0.0000	0	\$127.18
CAD	No		303 Round Bar 0.500" f	5				\$127.18	0.0000	0	
	m138147		303 Round Bar 0.500" f	9-89 DAS	7/25/2017 7/26/2017	36.0000 PLOU01		\$3.40	0.0000	0	\$122.42
			303 Round Bar 0.750 f	5				\$122.42	0.0000	0	
	m138147		303 Round Bar 0.750 f	9-89							
			M6061T6B2.000X08. f	000	7/25/2017 7/26/2017	8.0000 PLOU01		\$53.56	0.0000	0	\$428.45
			6061-T6 BAR 2.00" f	5				\$428.45	0.0000	0	
	m138147		X 8.00" (CUT IN 4FT SECTION)	9-89							
			M6061T6B2.500X03. f	500	7/25/2017 7/26/2017	12.0000 PLOU01		\$23.18	0.0000	0	\$278.19
			6061-T6 Bar 2.50 x f	3.50				\$278.19	0.0000	0	
	m138147		71401-45	7/25/2017 7/26/2017	1.0000 PLOU01						
			PROCUREMENT								
			QUALITY								
			CLAUSES								
	m138147										

Total Received Quantity: 129.0000
 Total Qty to Inspect (PO U/M): 0.0000
 Total Reject Quantity: 0.0000
 Total Receipt Value: \$956.25
 Total Balance Due Quantity: 0.0000

Dock

B I L L O F L A D I N G

Ship From:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7
Tel: 613-632-9577 Fax: 613-632-1053

26
No: PEC 55841
Ship Date 21Jul17 at 11:33 From PFW
Probill
Via VIM DELIVERY
FOB CONCORD
Frt PREPAID
Route 0- 0 Manifest
Vhicle Trailer
Slp STAN IVERS (905-532-1350)
Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

B I L L O F L A D I N G

1) Our Order PEC- 73268- 1 Your PO # 37091
STAINLESS STEEL ROUND BAR 303 STAINLESS
.50" DIA X DAS 4.0000"

5 Heat Number 9-89 442B

Tag No 672224

Quantity 72 FT

PCS 6

Wt LBS 49

2) Our Order PEC- 73268- 2 Your PO # 37091
STAINLESS STEEL ROUND BAR 303 STAINLESS
.750" DIA X DAS 144.0000"

DAS 5 423B

Heat Number 9-89

Tag No 672225

Quantity 36 FT

PCS 3

Wt LBS 55

3) Our Order PEC- 73268- 3 Your PO # 37091
ALUMINUM FLAT BAR 6061-T6511
2.00" X 8.00" X 48 0000"

DAS 5 201709610

Heat Number 9-89

Tag No 673055

Quantity 8 FT

PCS 2

Wt LBS 155

4) Our Order PEC- 73268- 4 Your PO # 37091
ALUMINUM FLAT BAR 6061-T6511
2.50" x 3.50" X 144.0000"

DAS 5 201709856

Heat Number 9-89

Tag No 672226

Quantity 12 FT

PCS 1

Wt LBS 123

TOTAL: Tags 4 PCS 12 LBS 382

Heat Number
201709610

*** Chemical Analysis ***

Page: 1Continued

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
MERCANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

Sgt 7/26

REÇU EN BONNE CONDITIONS / RECEIVED IN GOOD CONDITION
VQ/QST# 1017327981 TQ001 TPS/GST TVH/HST # 140223934 RT001

DATE

B I L L O F L A D I N G

No: PEC 55841

Ship From:
 THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Ship Date 21Jul17 at 11:33 From PFW
 Probill
 Via VIM DELIVERY
 FOB CONCORD
 Frt PREPAID
 Route 0-0 Manifest
 Vhicle Trailer
 Slp STAN IVERS (905-532-1350)
 Sold To: (20115)
 DART AEROSPACE

Ship To: (1)
 DART AEROSPACE

B I L L O F L A D I N G

201709856

423B

442B

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **
 ** REFERENCED ON IT **

TOTAL 1 BDL, 1 SKID GW. 408 LBS

*CUSTOMER PICK-UP HRS AT THYSSENKRUPP MATERIALS NA
 CONCORD, ONT.* *** 9:00 AM TO 4:00 PM ***

**** TEL. 800-926-2600 ****

* WE STOCK STAINLESS STEEL *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
 ADDED TO EVERY ORDER.***

***UNE SURCHARGE D'ENERGIE DE \$25.00

SERAS AJOUTEE A CHAQUE COMMANDE.***

***POUR VOS BESOINS D'ACIER INOXYDABLE,

CONTACTEZ-NOUS. NOUS L'AVONS! TEL. 800-926-2600

SPP/7/26

Page: 2 Last

ALUMINIUM - ALUMINUM - CUIVRE - PLASTIQUE - ACIER INOX
 ALUMINIUM - ALUMINUM - COPPER - PLASTICS - STAINLESS

TOUTES ERREURS ET/OU MARCHANDISES MANQUANTES DOIVENT ÊTRE
 RAPPORTÉES IMMÉDIATEMENT.

ERRORS OR SHORTAGE MUST BE REPORTED IMMEDIATELY

RETOUR DE MARCHANDISES AVEC NOTRE NUMERO D'APPROBATION SEULEMENT.
 MERCHANDISE MAY NOT BE RETURNED WITHOUT OUR APPROVAL NUMBER.

DATE



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37091**

Purchase Order Date 7/18/2017

PO Print Date 7/18/2017

Page Number 1 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

E-MAILED
JUL 18 2017

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M303R0.500	303 Round Bar 0.500"	7/25/2017 Yes 7/25/2017	72.00 f		\$2.29	\$165.04

MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

2	M303R0.750	303 Round Bar 0.750	7/25/2017 Yes 7/25/2017	36.00 f		Line Total: \$4.41	\$158.86
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MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

Line Total: \$158.86

Sept 7-26.

PO Instructions: QUOTATION ST-72400

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37091**

Purchase Order Date 7/18/2017

PO Print Date 7/18/2017

Page Number 2 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL "A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name
Vendor Phone 905 669 9444

Buyer Chantal Lavoie

Ship To Contact
Ship To Phone
Ship Via: VENDOR'S TRUCK
Ship Acct:

Customer POID
Customer Tax # 10127-2607
Terms Net 30
Currency CAD
FOB FCA - (Free Carrier)

3	M6061T6B2.000X08.000	6061-T6 BAR 2.00' X 8.00" (CUT IN 4FT SECTION)	7/25/2017	8.00	\$69.50	\$556.00
			No	f		
			7/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

4	M6061T6B2.500X03.500	6061-T6 Bar 2.50 x 3.50	7/25/2017	12.00	\$30.08	\$361.01
			Yes	f		
			7/25/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$556.00

Sgt X 26 Line Total: \$361.01

PO Instructions: QUOTATION ST-72400

Note:



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37091**

Purchase Order Date 7/18/2017

PO Print Date 7/18/2017

Page Number 3 of 3

Order From : VC-COP001
THYSSENKRUPP MATERIALS CA LTD
O/A VPK METAL- C/O T27540/PO BOX 4275,POSTAL"A"
TORONTO, ON M5W 5V8
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	905 669 9444	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	VENDOR'S TRUCK	Currency	CAD
Ship Acct:		FOB	FCA - (Free Carrier)
5 71401-45	PROCUREMENT QUALITY CLAUSES	7/25/2017	1.00
		No	
Procurement Quality Clauses		7/25/2017	
A005 right of entry			
A012 chemical and physical test report			
A016 personnel qualification			
A017 raw material identification (as applicable)			
A026 certification of material conformance			
A041 quality management system			
A042 dart notification by supplier			
A043 retention of quality document			

Line Total:

\$0.00

PO Total: \$1,240.91

PO Instructions: QUOTATION ST-72400

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 7/18/2017

Q U O T A T I O N

No: PEC ST-72400

Quoted By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Quoted Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS Qtd 14Jul17 Qte Ref
Frt PREPAID Via
Tel 613-632-9577 Fax 613-632-1053 Ctc CHANTAL
Slp STAN IVERS (905-532-1350)

1	STAINLESS STEEL ROUND BAR 303 STAINLESS .50" DIA X 144.0000"	6 PCS	48 LBS 72 FT
	MATERIAL	72 FT @	2.2922 FT
	ENERGY & CAP SURCHG	25.0000 LOT	165.04 25.00
2	STAINLESS STEEL ROUND BAR 303 STAINLESS .750" DIA X 144.0000"	3 PCS	54 LBS 36 FT
	MATERIAL	36 FT @	4.4128 FT
3	STAINLESS STEEL ROUND BAR 304L .375" DIA X 144.0000"	2 PCS	9 LBS 24 FT
	MATERIAL	24 FT @	2.2917 FT
4	STAINLESS STEEL SHEET 304L-2B DUAL GRADE .1050 Nom X 48.0000" X 96.0000"	1 PCS	140 LBS
	MATERIAL	1 PCS @	300.8700 EA
	SKID		25.0000 LOT
5	STAINLESS STEEL SHEET 304L-2B DUAL GRADE .0600 Nom X 48.0000" X 96.0000"	2 PCS	160 LBS
	MATERIAL	2 PCS @	171.9300 EA
6	ALUMINUM FLAT BAR 6061-T6511 2.00" x 5.00" X 5.6250"	20 PCS	115 LBS
	Part No *** OFFERING		
	<<<----- SPECIFICATIONS ----->>>		
	Ga Tol + 0.0000 - 0.0000	Pc/Tag	20
	WthTol + 0.0000 - 0.0000	Wt/Skd	
	LthTol + 0.0630 - 0.0000	Ty	Pk
	MATERIAL	20 PCS @	18.6875 EA
7	ALUMINUM FLAT BAR 6061-T6511 2.00" X 8.00" X 48.0000"	2 PCS	155 LBS 8 FT

Q U O T A T I O N

No: PEC ST-72400

Quoted By:

THYSSENKRUPP MATERIALS NA
 2821 LANGSTAFF ROAD
 CONCORD, ONTARIO L4K 5C6
 Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)
 DART AEROSPACE

Quoted Ship To: (1)
 DART AEROSPACE

===== Q U O T A T I O N ===== QT No: PEC ST-72400

<<<----- SPECIFICATIONS ----->>>

MATERIAL	Ga Tol + 0.0000 - 0.0000	Pc/Tag	2
	WthTol + 0.0000 - 0.0000	Wt/Skd	
	LthTol + 0.1250 - 0.0000	Ty	Pk

MATERIAL	8 FT	@	69.5000 FT	556.00
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8 ALUMINUM FLAT BAR 6061-T6511 1.50" x 2.50" X 144.0000"	12 FT	@	15.2400 FT	53 LBS 12 FT 182.88
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9 ALUMINUM FLAT BAR 6061-T6511 2.50" x 3.50" X 144.0000"	12 FT	@	30.0842 FT	123 LBS 12 FT 361.01
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10 ALUMINUM FLAT BAR 6061-T6511 1.00" x 6.00" X 144.0000"	24 FT	@	21.1567 FT	173 LBS 24 FT 507.76
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11 ALUMINUM SHEET 6061 T6 .0640 Nom X 48.0000" X 144.0000"	86 LBS	@	2 PCS	86 LBS 279.69 25.0000 LOT 25.00
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12 ALUMINUM SHEET 6061 T6 .0810 Nom X 48.0000" X 144.0000"	109 LBS	@	2 PCS	109 LBS 354.49
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MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
 WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
 TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

Price in effect at time of shipment.

Price based on receipt of total order.

All weights are theoretical.

All orders are subject to credit approval.

***** TEL. 800-926-2600 *****

*** CUSTOMER PICK-UP HOURS ***

*** 9:00 AM TO 4:00 PM ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

*** PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE

Q U O T A T I O N

No: PEC ST-72400

Quoted By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Quoted To: (20115)
DART AEROSPACE

Quoted Ship To: (1)
DART AEROSPACE

Q U O T A T I O N

QT No: PEC ST-72400

ADDED TO EVERY ORDER.***

*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
*VISIT OUR WEBSITE: www.copperandbrass.com

NO CANCELLATIONS ON PROCESSED MATERIAL.

Order Totals: 12 Items 1225 LBS					
Material	Processing	Freight	Other	Taxes	ORDER AMT
3,639.21			75.00	482.84	4,197.05
Taxes: ONHSTS	482.84	0.00		0.00	0.00

18Jul17 13:18

S A L E S A C K N O W L E D G M E N T

No: PEC ST-73268

Sold By:

THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Ship To: (1)
DART AEROSPACE
1270 ABERDEEN ST
HAWKESBURY, ON K6A 1K7

Trm NET 30 DAYS/NET 30 JOURS
Frt PREPAID
Con 96294
Slp STAN IVERS (905-532-1350)

Ord 18Jul17 Due 20Jul17
Via VIM DELIVERY FOB CONCORD
PO/Rel 37091
Tel 613-632-9577 Fax 613-632-1053

S A L E S A C K N O W L E D G M E N T SO No PEC ST-73268

Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice

1 STAINLESS STEEL ROUND BAR 303 STAINLESS .50" DIA X 144.0000"	6 PCS	48 LBS	
MATERIAL	72 FT @	2.2922 FT	72 FT
ENERGY & CAP SURCHG	25.0000 LOT	165.04	25.00
2 STAINLESS STEEL ROUND BAR 303 STAINLESS .750" DIA X 144.0000"	3 PCS	54 LBS	
MATERIAL	36 FT @	4.4128 FT	36 FT
3 ALUMINUM FLAT BAR 6061-T6511 2.00" X 8.00" X 48.0000"	2 PCS	155 LBS	
<<<----- SPECIFICATIONS ----->>>			
Ga Tol + 0.0000 - 0.0000 Pc/Tag	2		8 FT
WthTol + 0.0000 - 0.0000 Wt/Skd			
LthTol + 0.1250 - 0.0000 Ty Pk			
MATERIAL	8 FT @	69.5000 FT	556.00
4 ALUMINUM FLAT BAR 6061-T6511 2.50" x 3.50" X 144.0000"	1 PCS	123 LBS	
MATERIAL	12 FT @	30.0842 FT	12 FT
			361.01

MILL TEST REPORTS, PACKING SLIPS ARE TO SENT
WITH MATERIAL AND FAXED TO THE CUSTOMER PRIOR
TO SHIPPING.

ATTN: CHANTAL/LINDA

** ALL PACKING SLIPS MUST HAVE THE HEAT NUMBER **

** REFERENCED ON IT **

** CUSTOMER PICK-UP HRS / 9:00 AM TO 4:00 PM **

*** TEL. 800-926-2600 ***

* WE STOCK STAINLESS STEEL!!!! *

* PLEASE LET US QUOTE YOUR NEXT REQUIREMENT *

***PLEASE NOTE A \$25.00 ENERGY SURCHARGE WILL BE
ADDED TO EVERY ORDER.***

18Jul17 13:18 S A L E S A C K N O W L E D G M E N T No: PEC ST-73268
Sold By:
THYSSENKRUPP MATERIALS NA
2821 LANGSTAFF ROAD
CONCORD, ONTARIO L4K 5C6
Tel: 905 669 9444 Fax: 905-738-9033

Sold To: (20115)
DART AEROSPACE

Ship To: (1)
DART AEROSPACE

S A L E S A C K N O W L E D G M E N T SO No PEC ST-73268
Test Certs: Chem Y Phys Y 1 Original copies with Shipment, 1 with Invoice
*FOR OUR FULL SALES TERMS AND CONDITIONS, PLEASE
*VISIT OUR WEBSITE: www.copperandbrass.com

NO CANCELLATIONS ON PROCESSED MATERIAL.

***** Order Totals: 4 Items 380 LBS *****
***** Material Processing Freight Other Taxes ORDER AMT *****
***** 1,240.91 25.00 164.57 1,430.48 *****
***** Taxes: ONHSTS 164.57 *****



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO37097**

Purchase Order Date 7/18/2017 1:39:31 PM

PO Print Date 7/18/2017

Page Number 1 of 1

Order From : VC-CHE001
CHEMETALL CANADA LIMITED
P.O. BOX 46186
POSTAL STATION A
TORONTO, ON M5W 4K9
CA

Ship To : DART AEROSPACE LTD
1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name		Buyer	Chantal Lavoie
Vendor Phone	877-311-1471	Customer POID	
Ship To Contact		Customer Tax #	10127-2607
Ship To Phone		Terms	Net 30
Ship Via:	Purolator ground collect	Currency	CAD
Ship Acct:		FOB	Destination-Collect

Line Nbr	Reference Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	CD Promise Date	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
2	71400-40	OKT-2205-H GORDOTEST INDICATOR 155	7/31/2017		3.00	\$20.23	\$60.69
			Yes	7/31/2017	Each		
						Line Total:	\$60.69
3	71400-40	SERVICE FEE	7/31/2017		1.00	\$50.00	\$50.00
			Yes	7/31/2017	Each		
						Line Total:	\$50.00
						PO Total:	\$110.69

PO Instructions: PROCUREMENT QUALITY CLAUSES
A000 QUALITY CLAUSES NOT REQUIRED

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

THYSSENKRUPP MATERIALS NA
DART AEROSPACE
 STAINLESS STEEL ROUND BAR 303 STAINLESS
 .50" DIA X 144.0000"
 PART NO.

PO/Rel 37091

We certify that this is a true copy of the report
 furnished by the producer of the metal, or data
 resulting from tests made in approved labs.



North American Stainless Canada Inc.
 740 Imperial Road North
 Guelph, ON N1K1Z3
 Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
 Gheat, KY 41045-9615
 (502) 347-6000

Certificate: 307469 11 Mail to:
THYSSENKRUPP MATERIALS
 2821 LANGSTAFF ROAD
 CONCORD, ON L4K5C6

Your Order: PEC283109

NAS Order: PN 0080284 03

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
 UNS 30300, (ASTM A582) /2 EN 10204 3.1, ASTM A484/15
 AMS 5640V TYPE-1, QOS-764B CONDITION A
 SOLUTION ANNEAL TEMP 1900F MIN, ASTM F899/12b

REMARKS:

COMPLIES W/ REQUIREMENTS OF DPAR 252.225-7/009 EU DIRECTIVE
 2011/65/EU. ROHS, EAF+AOE-CC. NO WELD REPAIR. MELTED AND MFG
 IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

Product Id	Std #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BI829 1	•5000	1.541		144.00	5	1		

NAS Heat DAS	CM	C %	CO %	CR %	CU %	MN %	NI %	P %
5	US	.041	.16	17.21	.31	1.84	.32	.036
9.89								
		S %	SI %					
		.3060	.44					

MECHANICAL PROPERTIES

Product Id	1" d c" r	HB No.	2xg KSI	UTS KSI	RA %	Elong % 2"	
BI8219 1	R.L	199.0	80.63	102.62	46.20	40.47	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy
 of the test methods used, the material meets the specifications stated. These results relate only to the items
 tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Doc No. 262182 Indexed 19/Jul/17 by maryp

Technical
 Dept. Mgr.

Yves Leduc
 Yves Leduc

2010/11/17
 Pg 1/1

THYSSENKRUPP MATERIALS NA

DART AEROSPACE

ALUMINUM FLAT BAR 6061-T6511
2.50" X 3.50" X 144.0000"
PART NO.

PO/Rel 37091

We certify that this is a true copy of the report
furnished by the producer of the metal, or data
resulting from tests made in approved labs.

Signature Certificate of Mill Test Results
Signed by: _____
BL PEC-055841-004 2016117
Pg 1/1



Can Do.

Service Center Metals
5850 Quality Way
Prince George, VA 23875

Bill To

ThyssenKrupp Materials NA-Concord, ON
SHIP TO

ThyssenKrupp Materials NA-Concord, ON
Customer PO

Quantity Certified 2,116 lbs
Customer Part Number MRB0440

MANIFEST NUMBER

336418

CUSTOMER PO

PEC-283848

CUSTOMER PART NUMBER

MRB0440

DATE OF SHIPMENT

6/22/2017

SALESPERSON

D. Schroeder (Canada)

DESCRIPTION

MQRB 2.500x3.500

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6. This product is RoHS-2, REACH, and DFARS compliant.

Mechanical Properties

Test	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
2	6/22/17	48.70	50.10	43.90

min max min max min max
48.70 50.10 43.90 45.90 17.00 17.90

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Al	Others	Each	Total	Melt Source:
001E170504A	201709856	6061	0.74	0.37	0.33	0.10	0.90	0.10	0.06	0.03	97.37	0.05	0.15	United States of America	
001E170531B	201709856	6061	0.73	0.36	0.31	0.09	0.87	0.09	0.04	0.02	97.49	0.05	0.15	United States of America	
001J170504A	201709856	6061	0.74	0.37	0.33	0.10	0.90	0.10	0.06	0.03	97.37	0.05	0.15	United States of America	

SCM is ISO 9001-2015 certified

SCM products are melted and extruded in the USA
Print Date: 6/22/2017

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: 303R0500
 DATE: JUL 26 2017

PO / BATCH NO.: 0037091/138147

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 72'
 QUANTITY INSPECTED: 72'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .500"
 THICKNESS RECEIVED: .500"
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/>	
CORRECT FINISH	Y <input checked="" type="radio"/>	N
CORROSION	Y <input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="radio"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="radio"/>	N <i>ASTM B582</i>
CORRECT THICKNESS	Y <input checked="" type="radio"/>	N
PHOTO REQUIRED	Y <input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="radio"/>	N <i>H1 # 442B</i>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="radio"/>	N <i>303R</i>
CORRECT M# ON THE MATERIAL	Y <input checked="" type="radio"/>	N <i>303R</i>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>5</u> <u>0.89</u>	SIGNED OFF BY: _____
DATE: <u>JUL 26 2017</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

SPECIFICATION: **DAS**
ASTM A562
5

PART NUMBER: M303RD.DDD
M303RD.DDD
DIA. 9.89

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M303R0.750

B	REFORMAT DWG. ADD SPECS (ZN DB-1), REF PAR 08-020A	CP	10 01 05
A	NEW ISSUE	DS	01-12-20
REV.	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD		
DRAWN	HAWKESBURY, ONTARIO, CANADA		
CHEKED	DRAWING NO.	REV. B	
MFG. APPR.	M303R	SHEET 1 OF 1	
APPROVED	TITLE	SCALE	
DE. APPR.	303 ROUND BAR	NTS	
DATE	10.01.05	COPYRIGHT © 2001 BY DART AEROSPACE LTD THE DOCUMENT CONTAINED HEREIN IS THE PROPERTY OF DART AEROSPACE LTD IT IS UNAUTHORIZED TO COPY OR DISTRIBUTE ALL OR PARTS THEREOF WITHOUT PRIOR WRITTEN PERMISSION FROM DART AEROSPACE LTD	

RECEIVED
2010-07-02
JW

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M203 R0.750
 DATE: JUL 26 2017

PO / BATCH NO.: P037091/M138147

MATERIAL CERT REC'D: 45
 QUANTITY RECEIVED: 36'
 QUANTITY INSPECTED: 36'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .747
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: NA

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/>	N
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/>	N
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/>	N <u>ASTM 1582</u>
CORRECT THICKNESS	Y <input checked="" type="checkbox"/>	N
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/>	N <u>H11F 423B</u>
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/>	N <u>M203R</u>
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/>	N <u>303R</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> DATE: <u>JUL 26 2017</u> <u>9-89</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
(NOTE: AISI 304/316 NOT ACCEPTABLE)

△ SPECIFICATION:
ASTM A582
PART NUMBER:
M303RD.000
DIA.

5
Φ-89

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 0.75" ROUND BAR = M303R0.750

RELEASER
R 2010-02-02
MK

B	REFORMAT DWG. ADD SPECCS (ZN DB-1), REF PAR 08-020A	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN		DART AEROSPACE LTD	
DRAWN		HAWKESBURY, ONTARIO, CANADA	
CHECKED		REV. B	
MFG. APPR.		M303R	
APPROVED		SHEET 1 OF 1	
DE APPR.		SCALE	
DATE	10.01.05	NTS	
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M66176B2,000X81000
 DATE: JUL 26 2017

PO / BATCH NO.: 20370911/M138147

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 8'
 QUANTITY INSPECTED: 8'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2"X8"
 THICKNESS RECEIVED: 2"X8"
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	N	
CORRECT FINISH	Y	N	
CORROSION	Y	N	
CORRECT GRAIN DIRECTION	Y	N	
CORRECT MATERIAL PER M-DRAWING	Y	N	<i>ASTm B221</i>
CORRECT THICKNESS	Y	N	
PHOTO REQUIRED	Y	N	
CORRECT REF # TO LINK CERT	Y	N	<i>HTEF 201709610</i>
CORRECT MATERIAL IDENTIFICATION	Y	N	<i>666176B</i>
CORRECT M# ON THE MATERIAL	Y	N	<i>666176511</i>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	N	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>5</u>	SIGNED OFF BY:	
DATE:	<u>JUL 26 2017</u> <u>9-89</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T652 ALUMINUM BAR

SPECIFICATION: QQ-A-225/B OR AMS-QQ-A-225/B (OR AMS 4117/4128/4115/4116)
OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)
OR ASTM B21 (OR ASTM B22)

△
DAS

PART NUMBER:

M6061T6B	T.TTT	X	WWWW
THICK	WIDTH		
			5
			89

WHERE "T.TTT" = THICKNESS IN INCHES
"WWWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

D

C

RELEASED
R 2009-05-03
JW

B

B	REMOVE QQ-A-25011 OPTION, REFORMAT NOTES, ADD	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS	DART AEROSPACE LTD	
DRAWN	DS	HAWKESBURY, ONTARIO, CANADA	
CHECKED	AS	REV. B	
MFG. APPR.		SHEET 1 OF 1	
APPROVED		SCALE	
DE APPR.		NTS	
DATE	09.07.13	COPYRIGHT © 2001 BY DART AEROSPACE LTD ALL RIGHTS RESERVED. THIS DRAWING IS THE PROPERTY OF DART AEROSPACE LTD. IT IS NOT TO BE USED FOR ANY PURPOSE OTHER THAN THE EXPRESS PURPOSE FOR WHICH IT WAS ISSUED. NO COPIES MAY BE MADE OF THIS DRAWING WITHOUT THE EXPRESSED WRITTEN CONSENT OF DART AEROSPACE LTD.	

A

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M66116(B2.50x13.500)
 DATE: JUL 26 2017

PO / BATCH NO.: P037091/M138147

MATERIAL CERT REC'D: 455
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.5x3.5"
 THICKNESS RECEIVED: 2.5x3.5"
 SHEET SIZE ORDERED: NA
 SHEET SIZE RECEIVED: NA

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <u>N</u>	
CORRECT FINISH	<u>Y</u> N	
CORROSION	Y <u>N</u>	
CORRECT GRAIN DIRECTION	<u>Y</u> N	
CORRECT MATERIAL PER M-DRAWING	<u>Y</u> N	<u>ASTM B321</u>
CORRECT THICKNESS	<u>Y</u> N	
PHOTO REQUIRED	Y <u>N</u>	
CORRECT REF # TO LINK CERT	<u>Y</u> N	<u>HT # 201709856</u>
CORRECT MATERIAL IDENTIFICATION	<u>Y</u> N	<u>6061T6B</u>
CORRECT M# ON THE MATERIAL	<u>Y</u> N	<u>6061T6511</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <u>N</u>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <u>N</u>	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	WEBSTER

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY:	<u>DAS</u> <u>5</u> <u>9-89</u>	SIGNED OFF BY:	
DATE:	<u>JUL 26 2017</u>	DATE:	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:
QQ-A-2258 OR AMS-QQ-A-2258 (OR AMS 4117/4128/4115/4116)
OR QQ-A-2008 OR AMS-QQ-A-2008 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

DAS

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW | WIDTH | 9.89
THICK

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.00

△B

RELEASED
R 2009-05-03
W

B	REMOVE QDA-250111 OPTION, REFORMAT NOTES, ADD	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	<i>g</i>		
CHECKED	<i>AJS</i>		
MFG. APPR.	<i>W</i>		
APPROVED	<i>W</i>		
DATE	09.07.13		

DART AEROSPACE LTD
HAWKESBURY, ONTARIO, CANADA
DRAWING NO. M6061T6B REV. B
TITLE 6061-T6 BAR SHEET 1 OF 1
SCALE NTS
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